

Title (en)

ELECTRONIC DEVICE HAVING FORCE TOUCH FUNCTION

Title (de)

ELEKTRONISCHE VORRICHTUNG MIT FORCE-TOUCH-FUNKTION

Title (fr)

DISPOSITIF ÉLECTRONIQUE AYANT UNE FONCTION TACTILE À FORCE

Publication

**EP 3112997 A3 20170315 (EN)**

Application

**EP 16176888 A 20160629**

Priority

KR 20150093848 A 20150630

Abstract (en)

[origin: EP3112997A2] An electronic device has a force touch function which is capable of minimizing a degradation of picture quality, wherein the electronic device may include a housing having a receiving space, an image display module disposed in the receiving space, and a force sensing panel disposed between a bottom surface of the housing and the image display module, which enables to sense a user's force touch through the force sensing panel, and to minimize a degradation of picture quality caused by heat.

IPC 8 full level

**G06F 3/041** (2006.01); **G02B 6/00** (2006.01); **G02F 1/133** (2006.01)

CPC (source: CN EP US)

**G02B 6/0055** (2013.01 - US); **G02F 1/133308** (2013.01 - US); **G02F 1/13338** (2013.01 - CN US); **G06F 3/016** (2013.01 - CN); **G06F 3/041** (2013.01 - US); **G06F 3/0412** (2013.01 - CN US); **G06F 3/0414** (2013.01 - CN); **G06F 3/044** (2013.01 - CN); **G06F 3/045** (2013.01 - EP); **G02F 1/133331** (2021.01 - US); **G06F 2203/04103** (2013.01 - US); **G06F 2203/04105** (2013.01 - US)

Citation (search report)

- [XY] EP 1983411 A1 20081022 - NISSHA PRINTING [JP]
- [Y] EP 2333645 A1 20110615 - NISSHA PRINTING [JP]
- [A] US 2012068965 A1 20120322 - WADA YUTAKA [JP], et al
- [X] WO 2015041163 A1 20150326 - FUJIKURA LTD [JP]
- [I] US 2011037726 A1 20110217 - LEE JUNG MOK [KR]
- [Y] EP 2221712 A1 20100825 - KYOCERA CORP [JP]
- [Y] EP 2214050 A1 20100804 - SAMSUNG ELECTRONICS CO LTD [KR]
- [A] CN 204331668 U 20150513 - KUNSHAN NEW FLAT PANEL DISPLAY TECHNOLOGY CT CO LTD, et al

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**EP 3112997 A2 20170104; EP 3112997 A3 20170315**; CN 106325496 A 20170111; CN 106325496 B 20191108; KR 102395602 B1 20220509; KR 20170003874 A 20170110; US 10409430 B2 20190910; US 2017003782 A1 20170105

DOCDB simple family (application)

**EP 16176888 A 20160629**; CN 201610499720 A 20160629; KR 20150093848 A 20150630; US 201615198451 A 20160630